

Claims

1. Mobile concrete pump comprising at least five mast arms (1 to 7) which are pivotable relative to each other about horizontal pivot axes (B to G), wherein the respective first mast arm (1) is hinged to a mast block (22) so as to be pivotable about a horizontal pivot axis (A), said mast block being rotatable about a vertical axis (20), while the end of the last mast arm has no articulated joint, and wherein the mast arms can be folded in groups relative to each other in the manner of a Z-fold or a coil-type fold for transport purposes, characterized by a first Z-type folding group comprising the last three mast arms, a first coil-type folding group comprising the penultimate, third to last and fourth to last mast arms, and a second Z-type folding group comprising the third to last, fourth to last, and fifth to last mast arms.

2. Mobile concrete pump according to claim 1, thereby characterized, that a sixth to last mast arm, along with the third to last, fourth to last, and fifth to last mast arms, form a Z-type folding group consisting of four mast arms.

3. Mobile concrete pump according to claim 1 or 2, thereby characterized, that a seventh to last mast arm forms a second coil-type folding group together with the fifth to last and sixth to last mast arms.

4. Mobile concrete pump comprising at least six mast arms (1 to 7) which are pivotable relative to each other about horizontal pivot axes (B to G), wherein the respective first mast arm (1) is hinged to a mast block (22) so as to be pivotable about a

horizontal pivot axis (A), said mast block being rotatable about a vertical axis (20), while the end of the last mast arm has no articulated joint, and wherein the mast arms can be folded in groups relative to each other in the manner of a Z-fold or a coil-type fold for transport purposes, characterized by a first Z-type folding group comprising the last four mast arms, a first coil-type folding group comprising the third to last, fourth to last and fifth to last mast arms, and a second Z-type folding group comprised of the fourth to last, fifth to last and sixth to last mast arms.

5. Mobile concrete pump according to claim 4, thereby characterized, that a seventh to last mast arm forms a second coil-type folding group together with the fifth to last and sixth to last mast arms.

6. Articulated mast according to one of claims 1 through 5, thereby characterized, that the pivot range of the last and penultimate linkage is at least 200°.

7. Articulated mast according to one of claims 1 through 6, thereby characterized, that the pivot range of the penultimate linkage is at least 260°.

8. Articulated mast according to one of claims 1 through 7, thereby characterized, that the pivot range of the third to last and fourth to last linkage is 170° to 270°.

9. Articulated mast according to one of claims 1 through 8, thereby characterized, that the pivot range of the fifth to last and sixth to last linkage is 240° to 280°.

10. Articulated mast according to one of claims 1 through 9, thereby characterized, that the pivot range of the first linkage (A) is 90° to 180° .